

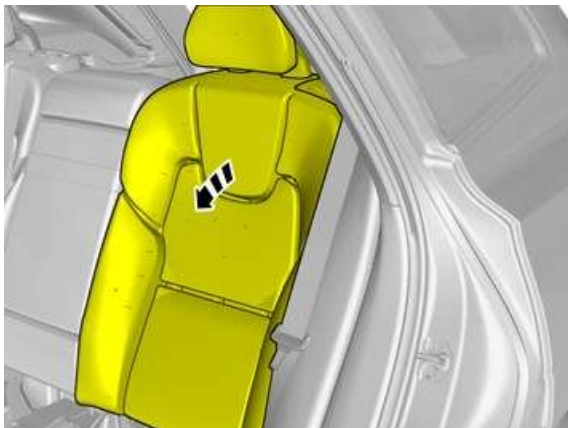
How to Remove a Tail Light on a 2019 Volvo XC60 T5 Momentum

Essential tools that will be needed

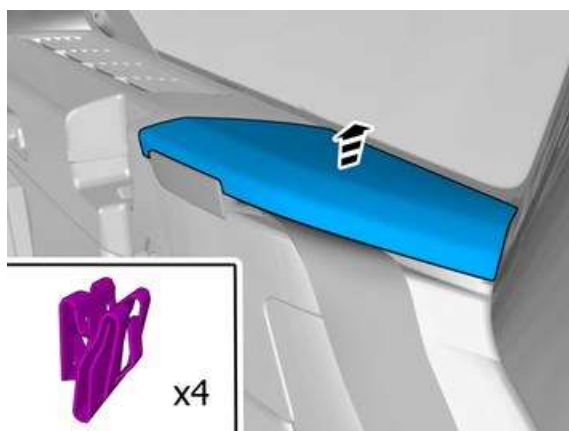
- Large flat blade screwdriver
- Small flat blade screwdriver
- Torx T25 screwdriver bit and a ratcheted wrench it will fit into
- 8 mm socket
- 8 mm magnetic socket
- 10 mm socket
- 125 mm (or longer) extension bar
- Socket driver or ratcheted socket wrench
- Plastic pry tool for removing trim (useful but not really essential)

Step 1: Remove the Interior Trim

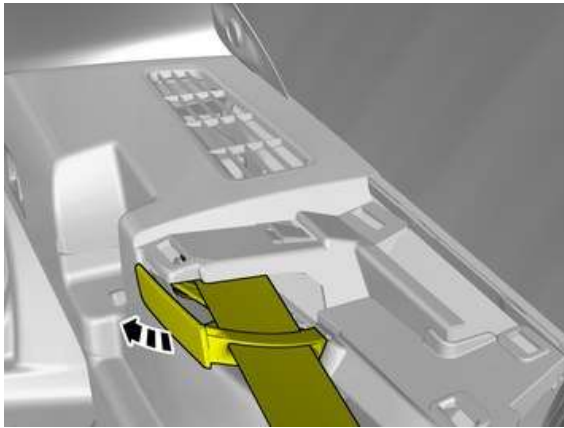
1. Fold down passenger seat on the side of the replacement tail light



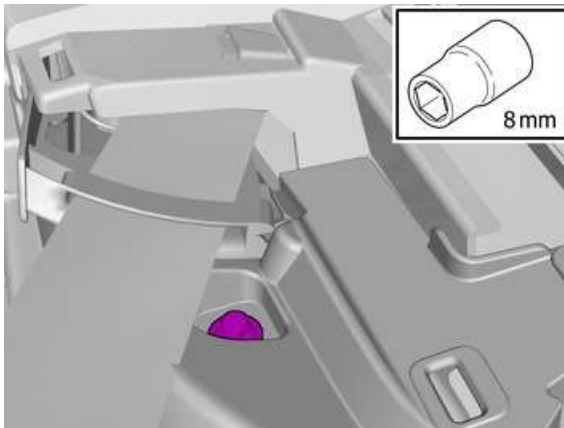
2. Use a large flat blade screwdriver to prise up and pull out (by pulling vertically upwards) the hard plastic trim above the rear safety belt tensioner. There are four clips holding it in place.



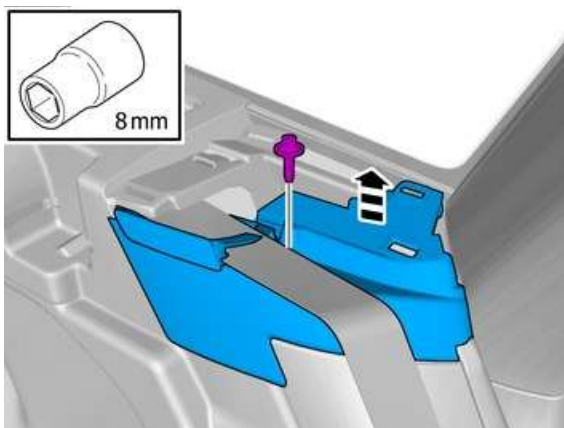
- Slide the safety belt guide across to reveal a bolt with an 8mm head.



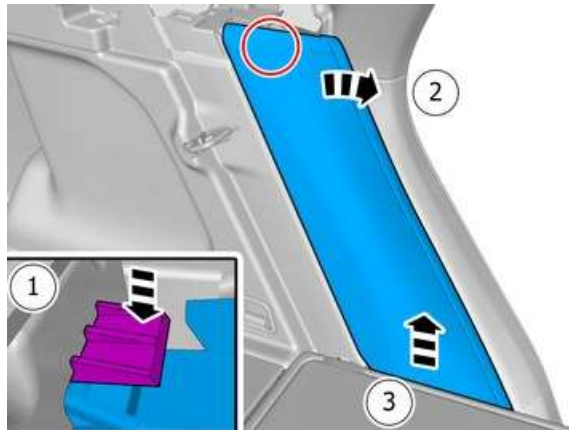
- Remove the exposed nut with an 8 mm socket.



- Pull out (by pulling vertically upwards) the hard plastic trim. There are 3 clips holding it in place.



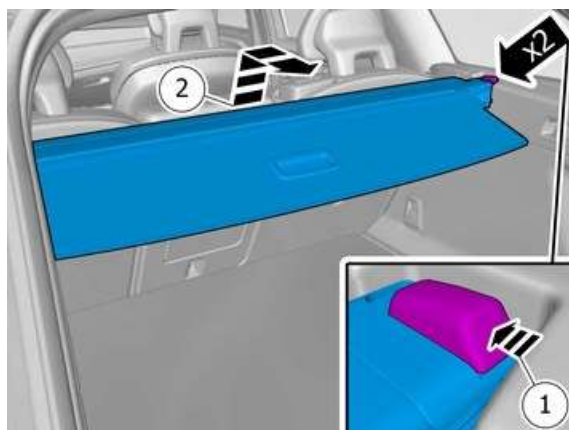
6. Push down on the black plastic tab to release the catch behind and at the top of the narrow tall padded plastic trim (that sits between the rear seat and the door). Remove the trim by pulling outwards and then upwards. There are 3 clips holding it in place.



7. Open tailgate.



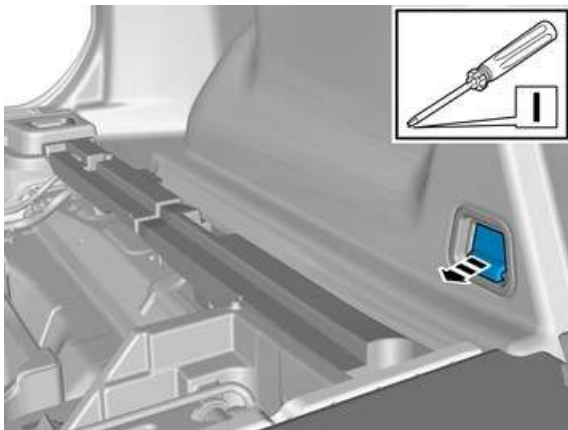
8. Remove retractable cargo bay cover.



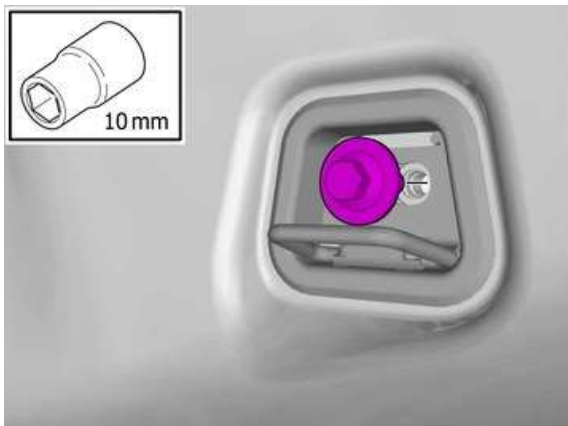
9. Remove floor of cargo bay by partially opening and pulling it towards you.



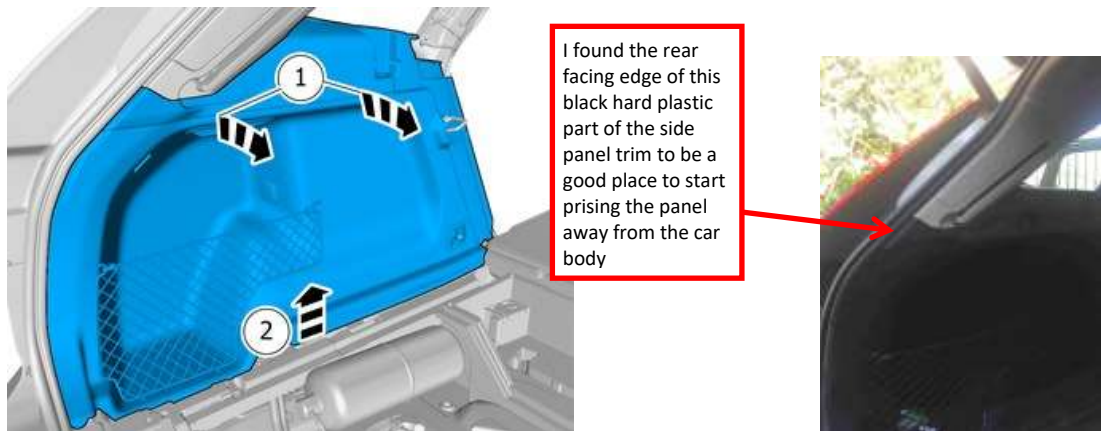
10. Use a small flat blade screwdriver to prise open and remove the recessed hard plastic cover on the cargo fixing point. Note that there is a small horizontal slot at the top of the recessed cover that allows the blade of the screwdriver to prise off the cover.



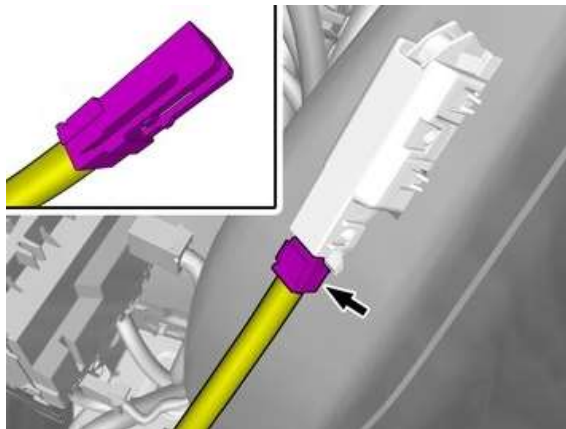
11. Remove the exposed nut with a 10 mm socket.



12. Remove the side panel trim. This is done by prising it inwards (away from the car body) lifting it up a little (to get it clear of the floor scuff plate at the back of the boot) and pulling it towards you (to get it clear of the trim near the back seat). There are 3 clips holding it in place.



13. Disconnect the LED boot light cable connector. There is a release tab on the underside of the green connector that needs to be depressed to allow it to be pulled out of its grey/black socket (i.e. out of the grey/black socket attached to the side panel trim).



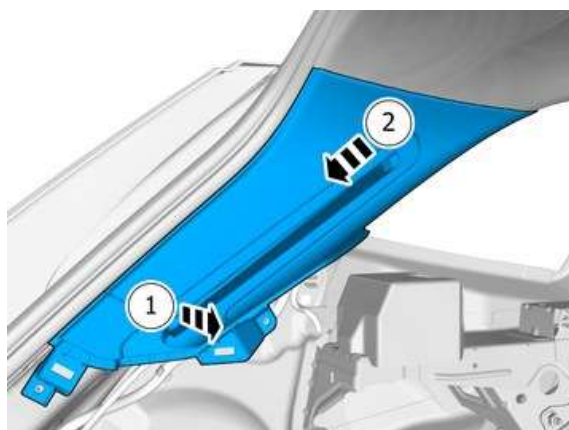
14. The left side panel trim has a 12V power outlet. The right side panel trim doesn't. If you are replacing the left tail light assembly you will also need to disconnect the 12V power outlet connector. The connector can be pulled apart after pressing down on the release tab.



15. Remove the two Torx T25 headed screws holding the trim to the rear pillar.

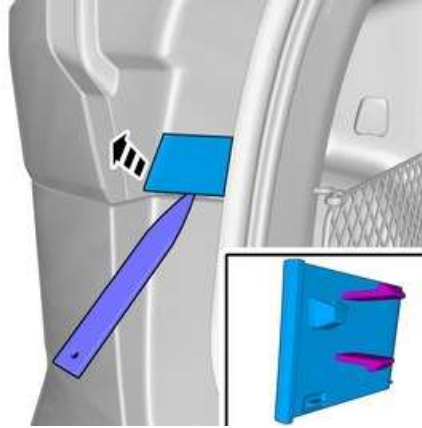


16. Remove the hard plastic trim (i.e. the trim on the rear pillar) by pulling it downwards and away from the side of the car.

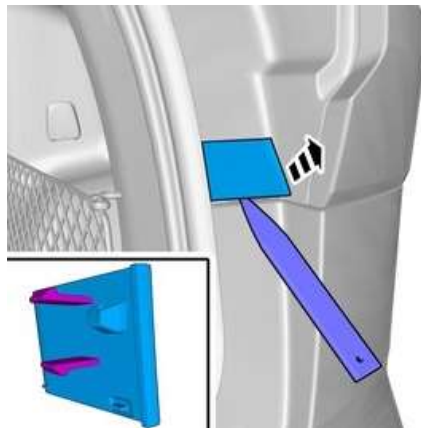


Step 2: Remove the Bumper

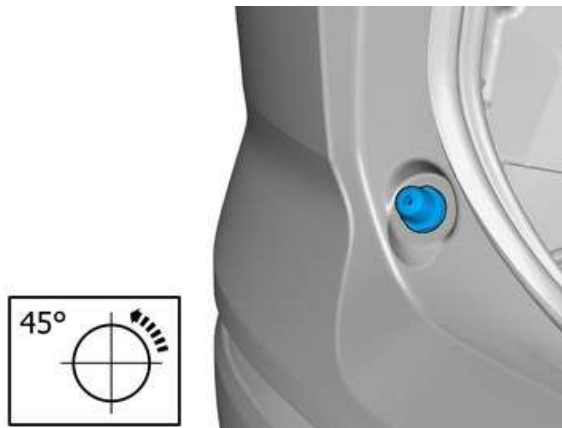
17. Prise off the smallish black hard plastic cover from the bottom of the left hand side tail light assembly. The cover is located between the tail light assembly and the bumper. After it is removed, an 8 mm headed bolt will be exposed. This is one of the bolts that hold the left side tail light assembly in place.



18. Prise off the smallish black hard plastic cover from the bottom of the right hand side tail light assembly. The cover is located between the tail light assembly and the bumper. After it is removed, an 8 mm headed bolt will be exposed. This is one of the bolts that hold the right side tail light assembly in place.



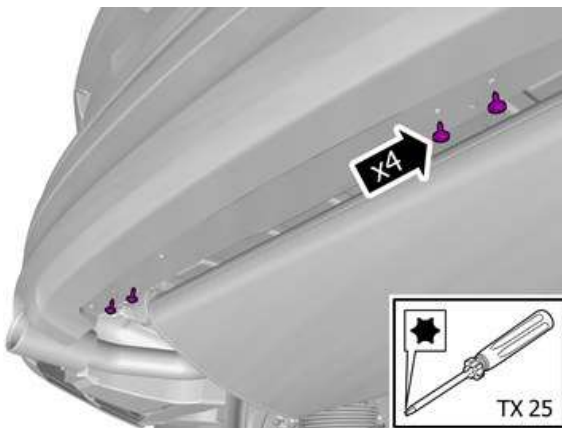
19. Remove the hard plastic tailgate stop on the left side by twisting it 45° anticlockwise and pulling it out. Make sure you don't mix it up with the right side tailgate stop when reinstalling.



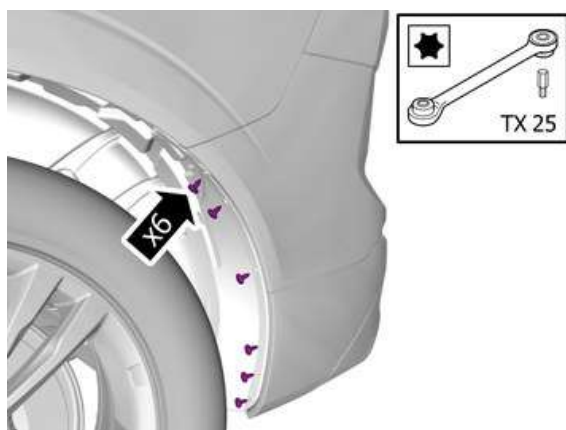
20. Remove the hard plastic tailgate stop on the right side by twisting it 45° anticlockwise and pulling it out. Make sure you don't mix it up with the left side tailgate stop when reinstalling.



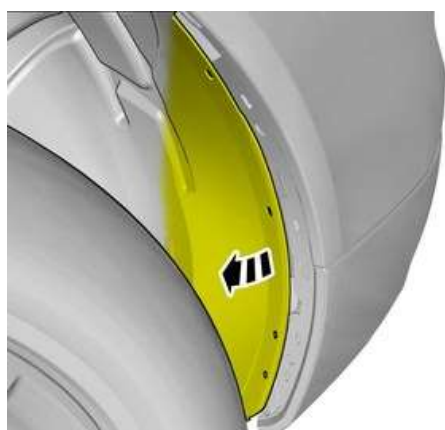
21. Remove all the Torx T25 headed screws from the underside of the bumper. There could be 4, 5 or 6 screws depending on the model variant.



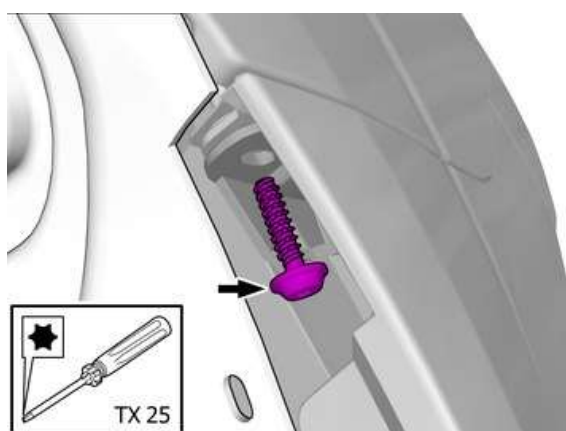
22. Remove six Torx T25 headed screws (adjacent the bumper) from the left side wheel arch.



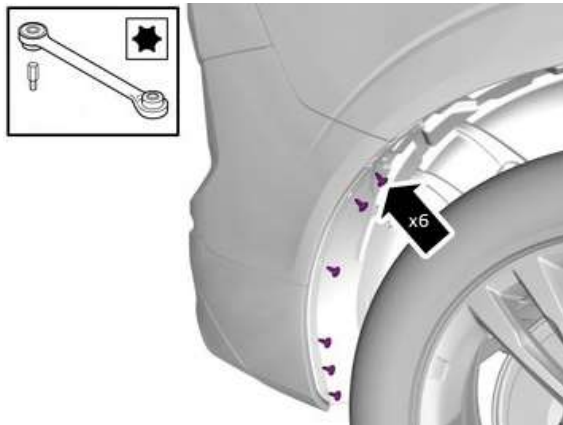
23. Fold back the flexible lining inside the left side wheel arch.



24. Remove the Torx T25 headed screw that fixes the bumper to the panel above it from the left side wheel arch.



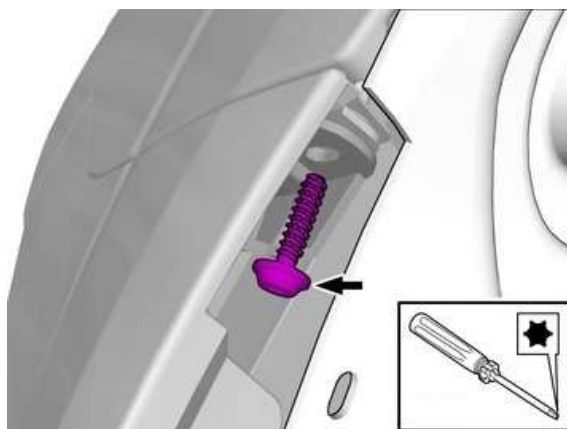
25. Remove six Torx T25 headed screws (adjacent the bumper) from the right side wheel arch.



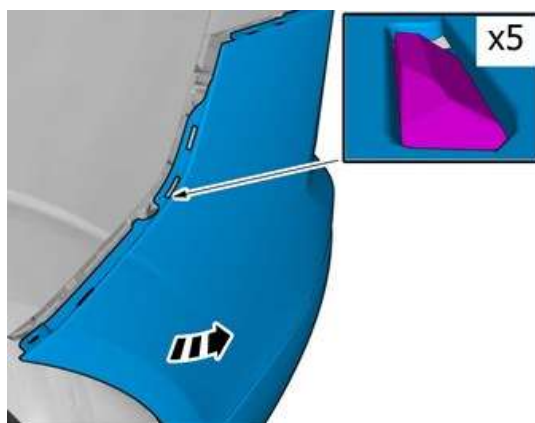
26. Fold back the flexible lining inside the right side wheel arch.



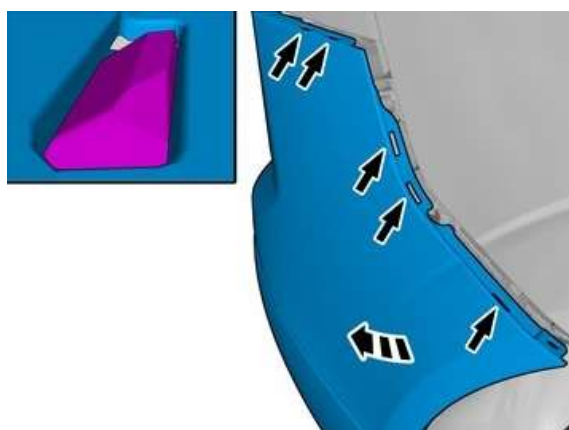
27. Remove the Torx T25 headed screw that fixes the bumper to the panel above it from the right side wheel arch.



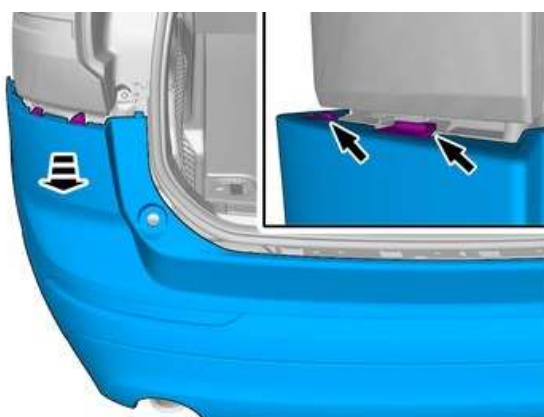
28. Carefully prise/pull the left side of the bumper (i.e. the part of it that wraps around the left side of the car) away from the side of the car.



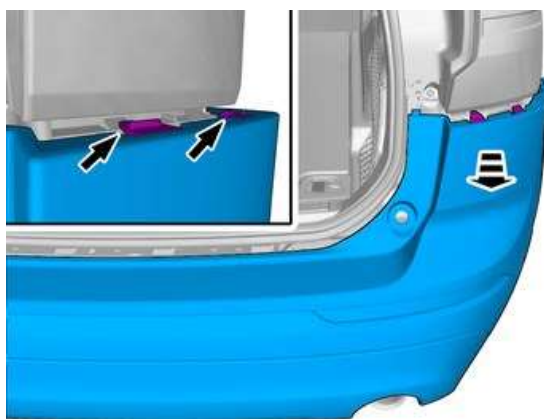
29. Carefully prise/pull the right side of the bumper (i.e. the part of it that wraps around the right side of the car) away from the side of the car.



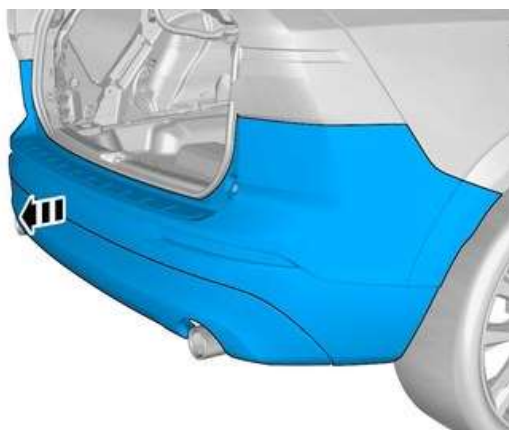
30. Pull the left side of bumper rearwards away from the car.



31. Pull the right side of bumper rearwards away from the car.



32. Pull the whole of the bumper rearwards being careful not to overstress any electrical cabling or electrical connectors. There is no need to fully remove the bumper.



Step 3: Remove the Tail Light Assembly

33. Locate the nut holding the top of the tail light assembly in place. The nut is located near the top of the tail light assembly and is accessed via a circular hole in the rear pillar.



The nut is accessed via this circular hole in the rear pillar

34. The nut is screwed onto a threaded stud that sticks out of the rear of the tail light assembly. Make sure you use a magnetic socket to remove the nut. As I discovered too late, unless a magnetic socket is used, it is pretty much a certainty that the nut will be dropped down inside the pillar during removal. A minimum 125 mm long extension bar will be needed to be able to reach the nut with the socket. The existing nut is an M5 threaded black zinc coated flange nut (i.e. a sems nut). The Volvo part number for a replacement nut is 30640699. However, any M5 zinc coated flange nut will be OK to use if you lose the original. If you do drop the nut down inside the pillar then you may be able to fish it back out (as I was able to) with a flexible magnetic pick-up wand. The threaded stud that the nut screws onto has a 5 mm long unthreaded section at its end that will push against the inside base of most magnetic sockets (which usually aren't as deep as a standard socket) and prevent the magnetic socket from engaging with the nut. To get around this you will need to use a standard 8 mm socket to make the first few turns when undoing the nut and then swap over to a magnetic socket for completing the rest of the nut removal. Remove the nut using an 8 mm magnetic socket.



Flange nut similar to the one holding the top of the tail light in place

There is a 5mm long unthreaded section at the end of the tail light assembly's threaded stud



35. Locate the bolt holding the bottom back of the tail light assembly in place. Remove the bolt using an 8 mm socket.



Remove this bolt from the bottom back of the tail light assembly

36. Loosen the black plastic impact absorber that sits below the tail light assembly and behind the wheel arch. It is held in place by 3 bolts. Remove the three bolts using an 8 mm socket.



Bolt #1

Bolt #2

Bolt #3

37. Locate the bolt holding the bottom front of the tail light assembly in place. The bolt is located near the wheel arch immediately below the tail light assembly. Remove the bolt using an 8 mm socket.



Remove this bolt from the bottom front of the tail light assembly

38. Partially pull out the tail light assembly and undo the electrical cable connector by pressing down on the release tab and pulling the connector away from the tail light assembly.



Press down on the release tab and pull out the cable connector from here

39. Remove tail light assembly.